**In the Claims:**

1. – 7. (Cancelled)

8. (Original) A flue gas denitration catalyst obtained by preparing a mixture containing titanium dioxide and tungsten trioxide, and then having vanadium pentoxide supported on the surface of an extruded catalyst body or on a powder of the prepared mixture using a vapor phase method.

9. (Original) A flue gas denitration catalyst of claim 8, which is obtained by further having the resulting powder supported on the surface of a formed product.

10. (Original) A flue gas denitration catalyst of claim 8, wherein titanium dioxide and tungsten trioxide in the mixture exists in the form of a complex oxide thereof.

11. (Original) A flue gas denitration catalyst of claim 8, wherein the supported amounts of vanadium pentoxide range from 0.4 to 5 wt.% based on the surface layer of the catalyst which has a thickness of 200 μm from its surface and range from 0.1 to 0.9 wt.% based on the total weight of the catalyst.

12. (Original) A flue gas denitration catalyst of claim 8, wherein vanadium pentoxide supported by the vapor phase method has a crystallite size of less than 10 nm as measured by X-ray diffraction.

13. (Original) A flue gas denitration catalyst of claim 8, wherein the catalyst body has a honeycomb shape.

14. (Original) A flue gas denitration catalyst of claim 9, wherein the formed product has a honeycomb shape.

15. (Original) A flue gas denitration catalyst of claim 8, wherein the mixture further contains silicon dioxide.

16. (Original) A flue gas denitration catalyst of claim 15, wherein titanium dioxide, tungsten trioxide and silicon dioxide in the mixture exists in the form of a complex oxide thereof.

17. (Original) A flue gas denitration catalyst of claim 9, wherein the formed product contains titanium dioxide, tungsten trioxide and vanadium pentoxide.

18. (Original) A flue gas denitration catalyst comprising titanium dioxide, tungsten trioxide and vanadium pentaoxide, wherein vanadium pentaoxide is supported on a carrier containing titanium dioxide and tungsten trioxide in the surface layer of the catalyst which has a thickness of 200 μm from its surface; wherein the supported amounts of vanadium pentoxide range from 0.4 to 5 wt.% based on the surface layer and range from 0.1 to 0.9 wt.% based on the total weight of the catalyst; and wherein vanadium pentoxide thus supported has a crystallite size of less than 10 nm as measured by X-ray diffraction.